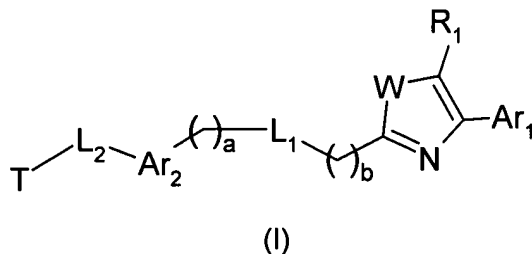


WHAT IS CLAIMED IS:

1. A compound of Formula (I):



wherein

a and b are, independently, equal to 0, 1, or 2, wherein the values of 0, 1, and 2 represent a direct bond, $-\text{CH}_2-$, and $-\text{CH}_2\text{CH}_2-$, respectively, and wherein the $-\text{CH}_2-$ and $-\text{CH}_2\text{CH}_2-$ groups are optionally substituted 1 to 2 times with a substituent group, wherein said substituent group(s) are selected from the group consisting of: -alkyl, -aryl, -alkylene-aryl, -arylene-alkyl, -alkylene-arylene-alkyl, -O-alkyl, -O-aryl, and -hydroxyl;

W is $-\text{O}-$, $-\text{S}-$, or $-\text{N}(\text{R}_2)-$,

wherein

R_2 is

- a) -hydrogen;
- d) -alkyl;
- e) $-\text{L}_3\text{-D-G}$
- d) $-\text{L}_3\text{-D-alkyl}$;
- e) $-\text{L}_3\text{-D-aryl}$;
- f) $-\text{L}_3\text{-D-heteroaryl}$;
- g) $-\text{L}_3\text{-D-cycloalkyl}$;
- h) $-\text{L}_3\text{-D-heterocyclyl}$;
- i) $-\text{L}_3\text{-D-arylene-alkyl}$;
- j) $-\text{L}_3\text{-D-alkylene-arylene-alkyl}$;
- k) $-\text{L}_3\text{-D-alkylene-aryl}$;
- l) $-\text{L}_3\text{-D-alkyl-G}$;
- m) $-\text{L}_3\text{-D-aryl-G}$;

- n) – L₃-D-heteroaryl-G;
 o) – L₃-D-cycloalkyl-G;
 p) – L₃-D-heterocyclyl-G;
 q) – L₃-D-arylene-alkyl-G;
 5 r) – L₃-D-alkylene-arylene-alkyl-G; or
 s) – L₃-D-alkylene-aryl-G;

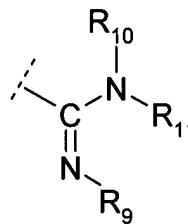
wherein

L₃ is a direct bond, –alkylene, –alkenylene, or alkynylene;

- 10 D is a direct bond, –CH₂–, –O–, –N(R₅)–, –C(O)–, –CON(R₅)–, –N(R₆)C(O)–, –N(R₆)CON(R₅)–, –N(R₅)C(O)O–, –OC(O)N(R₅)–, –N(R₅)SO₂–, –SO₂N(R₅)–, –C(O)–O–, –O–C(O)–, –S–, –S(O)–, –S(O₂)–, or –N(R₅)SO₂N(R₆)–, –N=N–, or –N(R₅)–N(R₆)–;

wherein

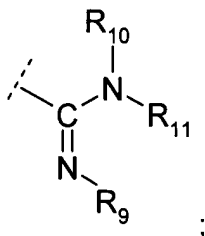
- 15 R₅ and R₆ are independently selected from the group consisting of: –hydrogen, –alkyl, –aryl, –arylene-alkyl, –alkylene-aryl, and –alkylene-arylene-alkyl; and
 G is hydrogen, –CN, –SO₃H, –P(O)(OH)₂, –P(O)(O-alkyl)(OH), –CO₂H,



–CO₂-alkyl, an acid isostere, –NR₇R₈, or

- 20 wherein

R₇ and R₈ are independently selected from the group consisting of: hydrogen, –alkyl, –L₄-E-alkyl, –L₄-E-aryl, –C(O)-alkyl, –C(O)-aryl, –SO₂-alkyl, –SO₂-aryl, and



- 25 wherein

R_9 , R_{10} , and R_{11} are independently selected from the group consisting of: -hydrogen, -alkyl, -aryl, -arylene-alkyl, -alkylene-aryl, and -alkylene-arylene-alkyl;

L_4 is a direct bond, -alkylene, -alkenylene, or -alkynylene;

E is a direct bond, $-\text{CH}_2-$, $-\text{O}-$, $-\text{N}(\text{R}_{12})-$, $-\text{C}(\text{O})-$, $-\text{CON}(\text{R}_{12})-$, $-\text{N}(\text{R}_{12})\text{C}(\text{O})-$, $-\text{N}(\text{R}_{12})\text{CON}(\text{R}_{13})-$, $-\text{N}(\text{R}_{12})\text{C}(\text{O})\text{O}-$, $-\text{OC}(\text{O})\text{N}(\text{R}_{12})-$, $-\text{N}(\text{R}_{12})\text{SO}_2-$, $-\text{SO}_2\text{N}(\text{R}_{12})-$, $-\text{C}(\text{O})-\text{O}-$, $-\text{O}-\text{C}(\text{O})-$, $-\text{S}-$, $-\text{S}(\text{O})-$, $-\text{S}(\text{O}_2)-$, $-\text{N}(\text{R}_{12})\text{SO}_2\text{N}(\text{R}_{13})-$, $-\text{N}=\text{N}-$, or $-\text{N}(\text{R}_{12})-\text{N}(\text{R}_{13})-$

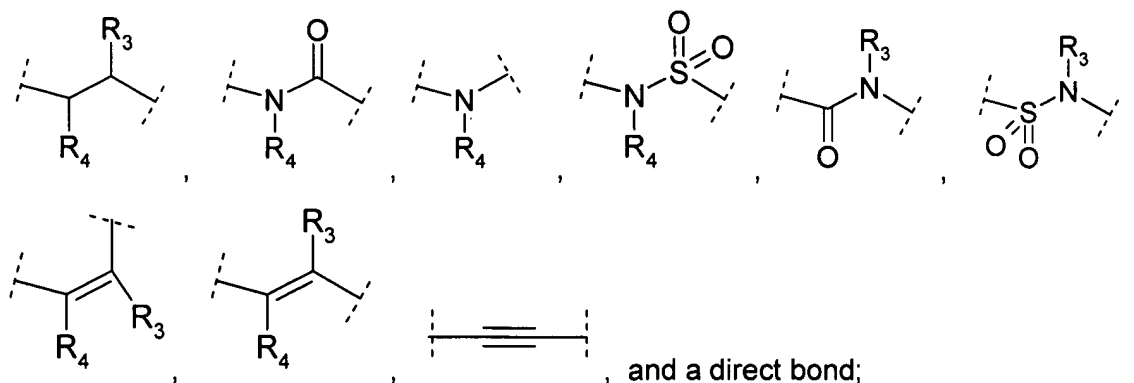
wherein

R_{12} and R_{13} are independently selected from the group consisting of: -hydrogen, -alkyl, -aryl, -arylene-alkyl, -alkylene-aryl, and -alkylene-arylene-alkyl;

15 R_1 is

- a) -hydrogen;
- b) -fluoro;
- c) -chloro;
- d) -bromo;
- 20 e) -iodo;
- f) -cyano;
- g) -alkyl;
- h) -aryl;
- i) -alkylene-aryl;
- 25 j) -heteroaryl;
- k) -alkylkene-heteroaryl;
- l) -cycloalkyl;
- m) -alkylene-cycloalkyl
- n) - heterocyclyl; or
- 30 o) - alkylene-heterocyclyl;

L_1 is selected from the group consisting of:



wherein R_3 and R_4 are independently selected from the group consisting of: hydrogen,
 5 chloro, fluoro, bromo, alkyl, aryl, -alkylene-aryl, -cycloalkyl, -alkylene-cycloalkyl, -
 heterocyclyl, -alkylene-heterocyclyl, and -alkynylene.

Ar_1 is an aryl, heteroaryl, fused cycloalkylaryl, fused cycloalkylheteroaryl, fused
 heterocyclaryl, or fused heterocyclheteroaryl group optionally substituted 1 to 7
 10 times;

Ar_2 is an arylene, heteroarylene, fused arylcycloalkylene, fused cycloalkylarylene, fused
 cycloalkylheteroarylene, fused heterocyclarylene, or fused
 heterocyclheteroarylene group optionally substituted 1 to 7 times;

L_2 is selected from the group consisting of: $-CH_2-$, $-O-$, alkylene, alkenylene, alkynylene,
 -K-alkylene-, -alkylene-K-, -alkylene-K-alkylene-, -alkenylene-K-alkylene-, -alkylene-
 K-alkenylene-, -arylene-K-alkylene-, alkylene-K-arylene, -heteroarylene-K-alkylene-,
 alkylene-K-heteroarylene, -arylene-K-, -K-arylene-, -heteroarylene-K-, and -K-
 20 heteroarylene,

wherein

K is a direct bond, $-N(R_{20})-$, $-C(O)-$, $-CON(R_{20})-$, $-N(R_{20})C(O)-$,
 $-N(R_{20})CON(R_{21})-$, $-N(R_{20})C(O)O-$, $-OC(O)N(R_{20})-$, $-N(R_{20})SO_2-$, -
 $SO_2N(R_{20})-$, $-C(O)-O-$, $-O-C(O)-$, $-S-$, $-S(O)-$, $-S(O_2)-$, $-N(R_{20})SO_2N(R_{21})-$, -
 25 $N=N-$, or $-N(R_{20})-N(R_{21})-$; $-N(R_{20})-$, $-C(O)-$, $-CON(R_{20})-$, $-N(R_{20})C(O)-$,
 $-N(R_{20})CON(R_{21})-$, $-N(R_{20})C(O)O-$, $-OC(O)N(R_{20})-$, $-N(R_{20})SO_2-$, -
 $SO_2N(R_{20})-$, $-C(O)-O-$, $-O-C(O)-$, $-S$, $-S(O)-$, $-S(O_2)-$, $-N(R_{20})SO_2N(R_{21})-$,
 $-N=N-$, or $-N(R_{20})-N(R_{21})-$ or a direct bond,

wherein

R_{20} and R_{21} are independently selected from the group: -hydrogen, -alkyl, -aryl, -arylene-alkyl, -alkylene-aryl, and -alkylene-arylene-alkyl;

5

T is selected from the group consisting of: hydrogen, alkyl, cycloalkyl, heterocyclyl, aryl, heteroaryl, fused cycloalkylaryl, fused cycloalkylheteroaryl, fused heterocyclylaryl, and fused heterocyclylheteroaryl group optionally substituted 1 to 7 times.

10

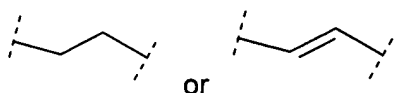
2. The compound according to claim 1, wherein W is -O- or -N(R_2)-, wherein R_2 is hydrogen, alkyl, or - L_3 -D-alkylene-aryl, wherein L_3 is alkylene, and D is -CO(N R_5)-, wherein R_5 is hydrogen.

3. The compound according to claim 1, wherein R_1 is hydrogen or aryl.

15

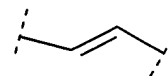
4. The compound according to claim 1, wherein R_1 is hydrogen.

5. The compound according to claim 1, wherein L_1 is



20

6. The compound according to claim 1, wherein L_1 is



7. The compound according to claim 1, wherein Ar_1 is a phenyl or naphthyl group optionally having 1 to 5 substituents, wherein the substituents are independently selected from the group consisting of:

25

- a) -fluoro;
- b) -chloro;
- c) -bromo;

- d) -iodo;
- e) -cyano;

30

- f) -nitro;
- g) -perfluoroalkyl;

- h) -J-R₁₄;
- i) -alkyl;
- j) -aryl;
- k) -heteroaryl;
- 5 l) -heterocyclyl;
- m) -cycloalkyl;
- n) -L₅-aryl;
- o) -L₅-arylene-aryl;
- p) -L₅-arylene-alkyl;
- 10 q) -arylene-alkyl;
- r) -arylene-arylene-alkyl;
- s) -J-alkyl;
- t) -J-aryl;
- u) -J-alkylene-aryl;
- 15 v) -J-arylene-alkyl;
- w) -J-alkylene-arylene-aryl;
- x) -J-arylene-arylene-aryl;
- y) -J-alkylene-arylene-alkyl;
- z) -L₅-J-alkylene-aryl;
- 20 aa) -arylene-J-alkyl;
- bb) -L₅-J-aryl;
- cc) -L₅-J-heteroaryl;
- dd) -L₅-J-cycloalkyl;
- ee) -L₅-J-heterocyclyl;
- 25 ff) -L₅-J-arylene-alkyl;
- gg) -L₅-J-alkylene-arylene-alkyl;
- hh) -L₅-J-alkyl;
- ii) -L₅-J-R₁₄;
- jj) -arylene-J-R₁₄; and
- 30 ll) -hydrogen;

wherein

L₅ is a direct bond, -alkylene, -alkenylene, or -alkynylene;

J is a direct bond, -CH₂-, -O-, -N(R₁₅)-, -C(O)-, -CON(R₁₅)-, -N(R₁₅)C(O)-, -N(R₁₅)CON(R₁₆)-, -N(R₁₅)C(O)O-, -OC(O)N(R₁₅)-, -N(R₁₅)SO₂-, -

$\text{SO}_2\text{N}(\text{R}_{15})-$, $-\text{C}(\text{O})-\text{O}-$, $-\text{O}-\text{C}(\text{O})-$, $-\text{S}-$, $-\text{S}(\text{O})-$, $-\text{S}(\text{O}_2)-$, $-\text{N}(\text{R}_{15})\text{SO}_2\text{N}(\text{R}_{16})-$, $-\text{N}=\text{N}-$, or $-\text{N}(\text{R}_{15})-\text{N}(\text{R}_{16})-$,

wherein

R_{14} , R_{15} , and R_{16} are independently selected from a group consisting

5 of: -hydrogen, -alkyl, -aryl, -arylene-alkyl, -alkylene-aryl, and -alkylene-arylene-alkyl.

8. The compound according to claim 1, wherein Ar_1 is a phenyl group optionally substituted 1 to 5 times, wherein the substituents are independently selected
10 from the group consisting of:

- a) -fluoro;
- b) -chloro;
- c) -bromo;
- d) -iodo;
- 15 e) -cyano;
- f) -nitro; and
- g) -aryl.

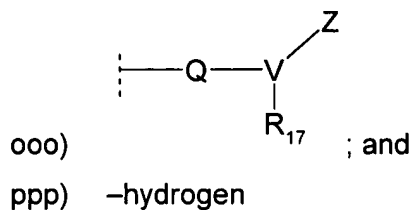
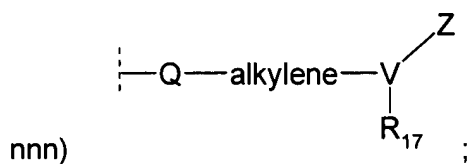
9. The compound according to claim 1, wherein Ar_1 is a phenyl group
20 substituted 1 to 5 times, wherein the substituents are selected from the group consisting of: -chloro or -fluoro.

10. The compound according to claim 1, wherein Ar_2 is a phenylene or naphthylene group optionally having 1 to 5 substituents, wherein the substituents are
25 independently selected from the group consisting of:

- a) -fluoro;
- b) -chloro;
- c) -bromo;
- d) -iodo;
- 30 e) -cyano;
- f) -nitro;
- g) -perfluoroalkyl;
- h) $-\text{Q}-\text{R}_{17}$;
- i) -alkyl;

- j) -aryl;
 k) -heteroaryl;
 l) -heterocyclyl;
 m) -cycloalkyl;
 5 n) -L₆-aryl;
 o) -L₆-arylene-aryl;
 p) -L₆-arylene-alkyl;
 q) -arylene-alkyl;
 r) -arylene-arylene-alkyl;
 10 s) -Q-alkyl;
 t) -Q-aryl;
 u) -Q-alkylene-aryl;
 v) -Q-arylene-alkyl;
 w) -Q-alkylene-arylene-aryl;
 15 x) -Q-arylene-arylene-aryl;
 y) -Q-alkylene-arylene-alkyl;
 z) -L₆-Q-alkylene-aryl;
 aa) -arylene-Q-alkyl;
 bb) -L₆-Q-aryl;
 20 cc) -L₆-Q-heteroaryl;
 dd) -L₆-Q-cycloalkyl;
 ee) -L₆-Q-heterocyclyl;
 ff) -L₆-Q-arylene-alkyl;
 gg) -L₆-Q-alkylene-arylene-alkyl;
 25 hh) -L₆-Q-alkyl;
 ii) -L₆-Q-alkylene-aryl-R₁₇;
 jj) -L₆-Q-alkylene-heteroaryl-R₁₇;
 kk) -arylene-Q-alkylene-R₁₇;
 ll) -heteroarylene-Q-alkylene-R₁₇;
 30 mm) -L₆-Q-aryl-R₁₇;
 nn) -L₆-Q-heteroarylene-R₁₇;
 oo) -L₆-Q-heteroaryl-R₁₇;
 pp) -L₆-Q-cycloalkyl-R₁₇;
 qq) -L₆-Q-heterocyclyl-R₁₇;

- rr) $-L_6-Q\text{-arylene-alkyl-}R_{17}$;
 ss) $-L_6-Q\text{-heteroarylene-alkyl-}R_{17}$;
 tt) $-L_6-Q\text{-alkylene-arylene-alkyl-}R_{17}$;
 uu) $-L_6-Q\text{-alkylene-heteroarylene-alkyl-}R_{17}$;
 5 vv) $-L_6-Q\text{-alkylene-cycloalkylene-alkyl-}R_{17}$;
 ww) $-L_6-Q\text{-alkylene-heterocyclylene-alkyl-}R_{17}$;
 xx) $-L_6-Q\text{-alkyl-}R_{17}$;
 yy) $-L_6-Q\text{-}R_{17}$;
 zz) $\text{-arylene-Q-}R_{17}$;
 10 aaa) $\text{-heteroarylene-Q-}R_{17}$;
 bbb) $\text{-heterocyclylene-Q-}R_{17}$;
 ccc) $\text{-Q-alkylene-}R_{17}$;
 ddd) $\text{-Q-arylene-}R_{17}$;
 eee) $\text{-Q-heteroarylene-}R_{17}$;
 15 fff) $\text{-Q-alkylene-arylene-}R_{17}$;
 ggg) $\text{-Q-alkylene-heteroarylene-}R_{17}$;
 hhh) $\text{-Q-heteroarylene-alkylene-}R_{17}$;
 iii) $\text{-Q-arylene-alkylene-}R_{17}$;
 jjj) $\text{-Q-cycloalkylene-alkylene-}R_{17}$;
 20 kkk) $\text{-Q-heterocyclylene-alkylene-}R_{17}$;
 lll) $\text{-Q-alkylene-arylene-alkyl-}R_{17}$;
 mmm) $\text{-Q-alkylene-heteroarylene-alkyl-}R_{17}$;



wherein

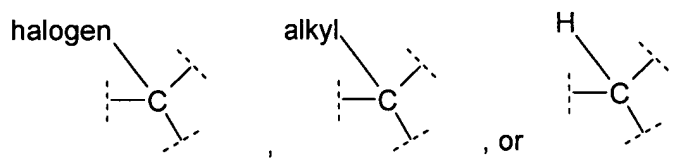
L_6 is a direct bond, -alkylene, -alkenylene, or -alkynylene;

Q is a direct bond, $-\text{CH}_2-$, $-\text{O}-$, $-\text{N}(\text{R}_{18})-$, $-\text{C}(\text{O})-$, $-\text{CON}(\text{R}_{18})-$, $-\text{N}(\text{R}_{18})\text{C}(\text{O})-$,
 $-\text{N}(\text{R}_{18})\text{CON}(\text{R}_{19})-$, $-\text{N}(\text{R}_{18})\text{C}(\text{O})\text{O}-$, $-\text{OC}(\text{O})\text{N}(\text{R}_{18})-$, $-\text{N}(\text{R}_{18})\text{SO}_2-$, $-\text{SO}_2\text{N}(\text{R}_{18})-$,
 $-\text{C}(\text{O})-\text{O}-$, $-\text{O}-\text{C}(\text{O})-$, $-\text{S}-$, $-\text{S}(\text{O})-$, $-\text{S}(\text{O}_2)-$, $-\text{N}(\text{R}_{18})\text{SO}_2\text{N}(\text{R}_{19})-$, $-\text{N}=\text{N}-$, or $-\text{N}(\text{R}_{18})-\text{N}(\text{R}_{19})-$;

wherein

R_{18} and R_{19} are independently selected from the group consisting of: -hydrogen, -alkyl, -aryl, -arylene-alkyl, -alkylene-aryl, or -alkylene-arylene-alkyl;

V is



Z is hydrogen, -alkylene-aryl, -alkyl, -aryl, -heteroaryl, -heterocyclyl, -cycloalkyl, -alkylene-heteroaryl, or -alkylene-cycloalkyl;

R_{17} is $-\text{SO}_3\text{H}$, $-\text{P}(\text{O})(\text{OH})_2$, $-\text{P}(\text{O})(\text{O-alkyl})(\text{OH})$, $-\text{CO}_2\text{H}$, $-\text{CO}_2\text{-alkyl}$, an acid isostere, hydrogen, -alkyl, -aryl, -arylene-alkyl, -alkylene-aryl, or -alkylene-arylene-alkyl.

11. The compound according to claim 1, wherein Ar_2 is a phenyl group or naphthyl group optionally substituted 1 to 5 times, wherein the substituents are independently selected from the group consisting of:

- a) -fluoro;
- b) -chloro;
- c) -bromo;
- d) -iodo;
- e) $-\text{Q}-\text{R}_{17}$;
- f) -alkyl;
- g) -aryl;
- h) -arylene-alkyl;
- i) $-\text{Q-alkyl}$; and
- j) -arylene- Q-alkyl ;

wherein

Q is $-\text{CH}_2-$, $-\text{O}-$, $-\text{C}(\text{O})-$, or $-\text{C}(\text{O})-\text{O}-$, and

R_{17} is: -hydrogen, -alkyl, -aryl, $-\text{CO}_2\text{H}$, or an acid isostere.

5 12. The compound according to claim 1, wherein Ar_2 is a phenyl group substituted 1 to 5 times, wherein the substituents are independently selected from the group consisting of:

- a) -fluoro;
- b) -chloro;
- 10 c) -bromo;
- d) -iodo;
- e) $-\text{Q}-\text{R}_{17}$;
- f) -alkyl;
- g) -phenyl;
- 15 h) -phenylene-alkyl;
- i) $-\text{Q}-\text{alkyl}$; and
- j) -phenylene- $\text{Q}-\text{alkyl}$;

wherein

Q is $-\text{CH}_2-$, $-\text{O}-$, $-\text{C}(\text{O})-$, $-\text{C}(\text{O})-\text{O}-$, and

20 R_{17} is: -hydrogen, -alkyl, -phenyl, or $-\text{CO}_2\text{H}$.

13. The compound according to claim 1, wherein L_2 is: $-\text{CH}_2-$, $-\text{O}-$, alkylene, alkenylene, $-\text{O}-\text{alkylene}-$, $-\text{alkylene}-\text{O}-$, $-\text{N}(\text{R}_{20})-$, $-\text{C}(\text{O})-$, $-\text{CON}(\text{R}_{20})-$, $-\text{N}(\text{R}_{20})\text{C}(\text{O})-$, $-\text{N}(\text{R}_{20})\text{CON}(\text{R}_{21})-$, $-\text{N}(\text{R}_{20})\text{C}(\text{O})\text{O}-$, $-\text{OC}(\text{O})\text{N}(\text{R}_{20})-$, $-\text{N}(\text{R}_{20})\text{SO}_2-$, $-\text{SO}_2\text{N}(\text{R}_{20})-$, $-\text{C}(\text{O})-\text{O}-$, $-\text{O}-\text{C}(\text{O})-$, $-\text{S}-$, $-\text{S}(\text{O})-$, $-\text{S}(\text{O}_2)-$, $-\text{N}(\text{R}_{20})\text{SO}_2\text{N}(\text{R}_{21})-$, $-\text{N}=\text{N}-$, or $-\text{N}(\text{R}_{20})-\text{N}(\text{R}_{21})-$ or a direct bond, wherein R_{20} and R_{21} independently selected from the group consisting of: -hydrogen, -alkyl, -aryl, -arylene-alkyl, -alkylene-aryl, and -alkylene-arylene-alkyl.

14. The compound according to claim 1, wherein L_2 is: $-\text{O}-$, $-\text{O}-\text{alkylene}-$, $-\text{alkylene}-\text{O}-$, or a direct bond.

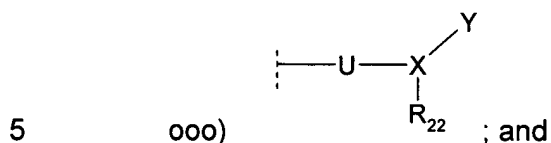
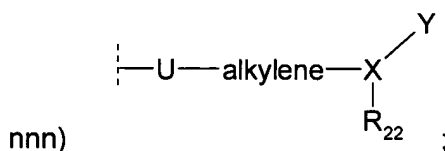
15. The compound according to claim 1, wherein L_2 is: $-\text{O}-\text{alkylene}-$ or a direct bond.

16. The compound according to claim 1, wherein T is an aryl group optionally having 1 to 5 substituents, wherein the substituents are independently selected from the group consisting of:

- 5 a) -fluoro;
- b) -chloro;
- c) -bromo;
- d) -iodo;
- e) -cyano;
- 10 f) -nitro;
- g) -perfluoroalkyl;
- h) -U-R₂₂;
- i) -alkyl;
- j) -aryl;
- 15 k) -heteroaryl;
- l) -heterocyclyl;
- m) -cycloalkyl;
- n) -L₇-aryl;
- o) -L₇-arylene-aryl;
- 20 p) -L₇-arylene-alkyl;
- q) -arylene-alkyl;
- r) -arylene-arylene-alkyl;
- s) -U-alkyl;
- t) -U-aryl;
- 25 u) -U-alkylene-aryl;
- v) -U-arylene-alkyl;
- w) -U-alkylene-arylene-aryl;
- x) -U-arylene-arylene-aryl;
- y) -U-alkylene-arylene-alkyl;
- 30 z) -L₇-U-alkylene-aryl;
- aa) -arylene-U-alkyl;
- bb) -L₇-U-aryl;
- cc) -L₇-U-heteroaryl;
- dd) -L₇-U-cycloalkyl;

- ee) -L₇-U-heterocyclyl;
 ff) -L₇-U-arylene-alkyl;
 gg) -L₇-U-alkylene-arylene-alkyl;
 hh) -L₇-U-alkyl;
 5 ii) -L₇-U-alkylene-aryl- R₂₂;
 jj) -L₇-U-alkylene-heteroaryl- R₂₂;
 kk) -arylene-U-alkylene- R₂₂;
 ll) -heteroarylene-U-alkylene- R₂₂;
 mm) -L₇-U-aryl- R₂₂;
 10 nn) -L₇-U-heteroarylene- R₂₂;
 oo) -L₇-U-heteroaryl- R₂₂;
 pp) -L₇-U-cycloalkyl- R₂₂;
 qq) -L₇-U-heterocyclyl- R₂₂;
 rr) -L₇-U-arylene-alkyl- R₂₂;
 15 ss) -L₇-U-heteroarylene-alkyl- R₂₂;
 tt) -L₇-U-alkylene-arylene-alkyl- R₂₂;
 uu) -L₇-U-alkylene-heteroarylene-alkyl- R₂₂;
 vv) -L₇-Q-alkylene-cycloalkylene-alkyl-R₂₂;
 ww) -L₇-Q-alkylene-heterocyclylene-alkyl-R₂₂;
 20 xx) -L₇-U-alkyl- R₂₂;
 yy) -L₇-U- R₂₂;
 zz) -arylene-U- R₂₂;
 aaa) -heteroarylene-U- R₂₂;
 bbb) -heterocyclylene-U- R₂₂;
 25 ccc) -U-alkylene- R₂₂;
 ddd) -U-arylene- R₂₂;
 eee) -U-heteroarylene- R₂₂;
 fff) -U-alkylene-arylene- R₂₂;
 ggg) -U-alkylene-heteroarylene- R₂₂;
 30 hhh) -U-heteroarylene-alkylene- R₂₂;
 iii) -U-arylene-alkylene- R₂₂;
 jjj) -U-cycloalkylene-alkylene- R₂₂;
 kkk) -U-heterocyclylene-alkylene- R₂₂;
 III) -U-alkylene-arylene-alkyl- R₂₂;

mmm) -U-alkylene-heteroarylene-alkyl- R₂₂;



ppp) -hydrogen;

wherein

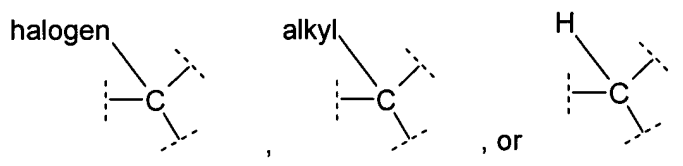
L₇ is a direct bond, -alkylene, -alkenylene, or -alkynylene;

10 U is a direct bond, -CH₂-, -O-, -N(R₂₃)-, -C(O)-, -CON(R₂₃)-, -N(R₂₃)C(O)-, -N(R₂₃)CON(R₂₄)-, -N(R₂₃)C(O)O-, -OC(O)N(R₂₃)-, -N(R₂₃)SO₂-, -SO₂N(R₂₃)-, -C(O)-O-, -O-C(O)-, -S-, -S(O)-, -S(O₂)-, -N(R₂₃)SO₂N(R₂₄)-, -N=N-, or -N(R₂₃)-N(R₂₄)-;

wherein

15 R₂₃ and R₂₄ are independently selected from the group consisting of: -hydrogen, -alkyl, -aryl, -arylene-alkyl, -alkylene-aryl, and -alkylene-arylene-alkyl;

X is



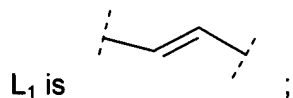
20 Y is hydrogen, -alkylene-aryl, -alkyl, -aryl, -heteroaryl, -heterocyclyl, -cycloalkyl, -alkylene-heteroaryl, or -alkylene-cycloalkyl;

R₂₂ is -SO₃H, -P(O)(OH)₂, -P(O)(O-alkyl)(OH), -CO₂H, -CO₂-alkyl, an acid isostere, -hydrogen, -alkyl, -aryl, -arylene-alkyl, -alkylene-aryl, or -alkylene-arylene-alkyl.

25 17. The compound according to claim 1, wherein T is an aryl group substituted by -U-alkylene-R₂₂, wherein U is -O- or a direct bond, and R₂₂ is -CO₂H or an acid isostere.

18. The compound according to claim 1, wherein

a and b are equal to zero;



5 Ar₂ is a phenylene group optionally substituted 1 time with a group consisting of:

-Q-alkyl, wherein Q is -O-;

L₂ is a direct bond, O-alkylene, or an -alkynylene; and

T is an aryl group substituted with at least one substituent selected from the group consisting of:

- 10 a) -U-R₂₂;
- b) -U-alkylene-arylene-R₂₂;
- c) -U-alkylene-R₂₂;
- d) -U-arylene-R₂₂;
- 15 e) -U-arylene-R₂₂ wherein the arylene is substituted with at least one of a halogen, methanesulfonylamino, or trifluoromethanesulfonylamino group.
- f) -U-arylene wherein the arylene is substituted with at least one trifluoromethanesulfonylamino group;
- g) -R₂₂
- 20 h) -halogen

wherein R₂₂ is -CO₂H or an acid isotere.

19. The compound according to claim 1, wherein

a and b are equal to zero;

25 R₁ is hydrogen;

W is -N(R₂)-, wherein R₂ is alkyl; and

Ar₁ is aryl substituted 2 times wherein the substituent groups are –chloro.

20. The compound according to claim 1, wherein W is -N(R₂)-, wherein R₂ is – L₃-D-alkylene-arylene-G, wherein L₃ is a direct bond or alkylene, D is a direct bond, or
5 -O-, and G is –CN, –SO₃H, –P(O)(OH)₂, –P(O)(O-alkyl)(OH), –CO₂H, –CO₂-alkyl, or an acid isostere.

21. The compound according to claim 1, wherein a and b are equal to 0, and T, L₂, Ar₂, and L₁ together form a group selected from a group consisting of:

10 (E)-2-(4-methoxyphenyl)vinyl, (E)-2-(3-methoxyphenyl)vinyl, (E)-2-(2-methoxyphenyl)vinyl, (E)-2-(3,4-dimethoxyphenyl)vinyl, (E)-2-(2,3,4-trimethoxyphenyl)vinyl, (E)-2-(4-ethoxyphenyl)vinyl, (E)-2-phenylvinyl, (E)-2-(4-fluorophenyl)vinyl, (E)-2-(4-chlorophenyl)vinyl, (E)-2-(4-bromophenyl)vinyl, (E)-2-(1,1'-biphenyl-4-yl)vinyl, (E)-2-(1-naphthyl)vinyl, (E)-2-(2-naphthyl)vinyl, 9H-fluoren-9-ylidenemethyl, (E)-2-(4'-methoxy-1,1'-biphenyl-4-yl)vinyl, (E)-2-(3'-methoxy-1,1'-
15 biphenyl-4-yl)vinyl, (E)-2-(4'-hydroxyphenyl)vinyl, 2-(4-methoxyphenyl)ethyl, (E)-2-(4'-carboxymethyloxy-1,1'-biphenyl-4-yl)vinyl, (E)-2-(4'-(3-methoxycarbonyl-1-propyloxy)-1,1'-biphenyl-4-yl)vinyl, (E)-2-(4'-(3-carboxy-1-propyloxy)-1,1'-biphenyl-4-yl)vinyl, (E)-2-(4'-phenoxy-1,1'-biphenyl-4-yl)vinyl, and (E)-2-(4'-benzyloxy-1,1'-
20 biphenyl-4-yl)vinyl.

22. The compound according to claim 1, wherein Ar₁ is: 2,4-dichlorophenyl.

23. The compound according to claim 1, where the compound of Formula (I)
25 is:

4-(4'-{2-[4-(2,4-dichloro-phenyl)-1-ethyl-1H-imidazol-2-yl]-(E)-vinyl}-3-fluoro-biphenyl-4-yloxy-methyl)-benzoic acid;

4-(4'-{2-[4-(2,4-dichloro-phenyl)-1-ethyl-1H-imidazol-2-yl]-(E)-vinyl}-phenoxy-methyl)-benzoic acid;

30 4-[4'-(2-{4-(2,4-dichloro-phenyl)-1-[(1-naphthalen-1-yl-ethylcarbamoyl)-methyl]1H-imidazol-2-yl}-(E)-vinyl)-biphenyl-4-yloxy]-butyric acid;

4-(4'-{2-[4-(2,4-dichloro-phenyl)-1-ethyl-1H-imidazol-2-yl]-(E)-vinyl}-biphenyl-4-yloxy)-butyric acid;

5-[3-(4'-{2-[4-(2,4-dichloro-phenyl)-1-ethyl-1H-imidazol-2-yl]-(E)-vinyl}-biphenyl-4-yloxy)-propyl]-1H-tetrazole;

5 4-(3-{2-[4-(2,4-dichloro-phenyl)-1H-imidazol-2-yl]-(E)-vinyl}-4-methoxy-phenyl-ethynyl)-phenoxy]-acetic acid;

4-[3-(4'-{2-[4-(2,4-dichloro-phenyl)-1H-imidazol-2-yl]-(E)-vinyl}-phenylethynyl)-phenoxy]-butyric acid;

5-[3-(4'-{2-[4-(2,4-dichloro-phenyl)-1-methyl-1H-imidazol-2-yl]-(E)-vinyl}-biphenyl-4-yloxy)-propyl]-1H-tetrazole;

5-(4'-{2-[4-(2,4-dichloro-phenyl)-1-methyl-1H-imidazol-2-yl]-(E)-vinyl}-biphenyl-4-yloxy)-pentanoic acid

2-bromo-4-(4'-{2-[4-(2,4-dichloro-phenyl)-1-methyl-1H-imidazol-2-yl]-(E)-vinyl}-biphenyl-4-yloxy)-benzoic acid;

15 4-(4'-{2-[4-(2,4-dichloro-phenyl)-1-ethyl-1H-imidazol-2-yl]-(E)-vinyl}-biphenyl-4-yloxymethyl)-benzoic acid;

4-(4'-{2-[4-(2,4-dichloro-phenyl)-1-ethyl-1H-imidazol-2-yl]-(E)-vinyl}-biphenyl-4-yloxy)-benzoic acid;

20 2-bromo-4-(4'-{2-[4-(2,4-dichloro-phenyl)-1-ethyl-1H-imidazol-2-yl]-(E)-vinyl}-biphenyl-4-yloxy)-benzoic acid;

4-(4'-{2-[4-(2,4-dichloro-phenyl)-1-ethyl-1H-imidazol-2-yl]-(E)-vinyl}-biphenyl-4-yloxy)-3-methanesulfonylamino-benzoic acid;

4-(4'-{2-[4-(2,4-dichloro-phenyl)-1-ethyl-1H-imidazol-2-yl]-(E)-vinyl}-biphenyl-4-yloxy)-3-trifluoromethanesulfonyl-amino-benzoic acid;

25 5-(4'-{2-[4-(2,4-dichloro-phenyl)-1-ethyl-1H-imidazol-2-yl]-(E)-vinyl}-biphenyl-4-yloxy)-2-methanesulfonylamino-benzoic acid;

5-(4'-{2-[4-(2,4-dichloro-phenyl)-1-ethyl-1H-imidazol-2-yl]-(E)-vinyl}-biphenyl-4-yloxy)-2-trifluoromethane-sulfonylamino-benzoic acid; or

30 4-(4'-{2-[4-(2,4-Dichloro-phenyl)-1-ethyl-1H-imidazol-2-yl]-(E)-vinyl}-biphenyl-4-yloxy)-butyric acid 2,2-dimethyl-propionyloxymethyl ester.

24. A pharmaceutically acceptable salt, solvate, or prodrug of a compound of Formula (I) according to claim 1.

25. The pharmaceutical composition of claim 24, wherein said compound is applied to the skin.

26. A pharmaceutical composition comprising a pharmaceutically acceptable carrier and a pharmacologically effective amount of the compound as claimed in Claim 1
5 sufficient to inhibit protein tyrosine phosphatase.

27. The pharmaceutical composition of claim 26, in the form of an oral dosage or parenteral dosage unit.

28. The pharmaceutical composition of claim 26, wherein said compound is administered as a dose in a range from about 0.003 to 500 mg/kg of body weight per
10 day.

29. The pharmaceutical composition of claim 26, wherein said compound is administered as a dose in a range from about 0.1 to 200 mg/kg of body weight per day.

30. The pharmaceutical composition of claim 26, wherein said compound is administered as a dose in a range from about 0.1 to 100 mg/kg of body weight per day.

15 31. The pharmaceutical composition of claim 26, further comprising one or more therapeutic agents selected from the group consisting of alkylating agents, antimetabolites, plant alkaloids, antibiotics, hormones, biologic response modifiers, analgesics, NSAIDs, DMARDs, glucocorticoids, sulfonylureas, biguanides, acarbose, PPAR agonists, DPP-IV inhibitors, GK activators, insulin, insulin mimetics, insulin
20 secretagogues, insulin sensitizers, GLP-1, GLP-1 mimetics, cholinesterase inhibitors, antipsychotics, antidepressants, anticonvulsants, HMG CoA reductase inhibitors, cholestyramine, and fibrates.

32. A pharmaceutical composition comprising a pharmaceutically acceptable carrier and a pharmacologically effective amount of the compound as claimed in claim 1,
25 sufficient to treat type I diabetes.

33. A pharmaceutical composition comprising a pharmaceutically acceptable carrier and a pharmacologically effective amount of the compound as claimed in claim 1, sufficient to treat type II diabetes.

34. A pharmaceutical composition comprising a pharmaceutically acceptable carrier and a pharmacologically effective amount of the compound as claimed in claim 1, sufficient to treat immune dysfunction.

5 35. A pharmaceutical composition comprising a pharmaceutically acceptable carrier and a pharmacologically effective amount of the compound as claimed in claim 1, sufficient to treat AIDS.

36. A pharmaceutical composition comprising a pharmaceutically acceptable carrier and a pharmacologically effective amount of the compound as claimed in claim 1, sufficient to treat autoimmune diseases.

10 37. A pharmaceutical composition comprising a pharmaceutically acceptable carrier and a pharmacologically effective amount of the compound as claimed in claim 1, sufficient to treat glucose intolerance.

15 38. A pharmaceutical composition comprising a pharmaceutically acceptable carrier and a pharmacologically effective amount of the compound as claimed in claim 1, sufficient to treat obesity.

39. A pharmaceutical composition comprising a pharmaceutically acceptable carrier and a pharmacologically effective amount of the compound as claimed in claim 1, sufficient to treat cancer.

20 40. A pharmaceutical composition comprising a pharmaceutically acceptable carrier and a pharmacologically effective amount of the compound as claimed in claim 1, sufficient to treat psoriasis.

41. A pharmaceutical composition comprising a pharmaceutically acceptable carrier and a pharmacologically effective amount of the compound as claimed in claim 1, sufficient to treat allergic diseases.

25 42. A pharmaceutical composition comprising a pharmaceutically acceptable carrier and a pharmacologically effective amount of the compound as claimed in claim 1, sufficient to treat infectious diseases.

43. A pharmaceutical composition comprising a pharmaceutically acceptable carrier and a pharmacologically effective amount of the compound as claimed in claim 1, sufficient to treat inflammatory diseases.

5 44. A pharmaceutical composition comprising a pharmaceutically acceptable carrier and a pharmacologically effective amount of the compound as claimed in claim 1, sufficient to treat diseases involving the modulated synthesis of growth hormone.

45. A pharmaceutical composition comprising a pharmaceutically acceptable carrier and a pharmacologically effective amount of the compound as claimed in claim 1, sufficient to treat diseases involving the modulated synthesis of growth factors or
10 cytokines which affect the production of growth hormone.

46. A pharmaceutical composition comprising a pharmaceutically acceptable carrier and a pharmacologically effective amount of the compound as claimed in claim 1, sufficient to treat Alzheimer's disease.

15 47. A method of inhibition protein tyrosine phosphatases which comprises administering to a subject in need thereof a pharmacologically effective amount of a compound as claimed in claim 1.

48. A method of prevention and/or treatment of PTPase mediated human diseases, treatment comprising alleviation of one or more symptoms resulting from that disorder, to an outright cure for that particular disorder or prevention of the onset of the
20 disorder, the method comprising administration to a human in need thereof a therapeutically effective amount of a compound of Formula (I) as claimed in claim 1.

49. The method of claim 47, further comprising administering to a subject in need thereof at least one adjuvant and/or additional therapeutic agent(s).

25 50. A method of treating PTPase mediated diseases, the method comprising administering to a subject in need thereof, a therapeutically effective amount of a compound of Formula (I) as claimed in claim 1, in combination with one or more therapeutic agents selected from the group consisting of alkylating agents, antimetabolites, plant alkaloids, antibiotics, hormones, biologic response modifiers, analgesics, NSAIDs, DMARDs, glucocorticoids, sulfonylureas, biguanides, acarbose,

PPAR agonists, DPP-IV inhibitors, GK activators, insulin, insulin mimetics, insulin secretagogues, insulin sensitizers, GLP-1, GLP-1 mimetics, cholinesterase inhibitors, antipsychotics, antidepressants, anticonvulsants, HMG CoA reductase inhibitors, cholestyramine, and fibrates. .

5 51. A method for treating acute and/or chronic inflammation, which comprises administering to a subject in need thereof a therapeutically effective amount of a compound of Formula (I) as defined in claim 1.

 52. A method for treating type I or type II diabetes, which comprises administering to a subject in need thereof a therapeutically effective amount of a
10 compound of Formula (I) as defined in claim 1.

 53. A method for treating immune dysfunction, which comprises administering to a subject in need thereof a therapeutically effective amount of a compound of Formula (I) as defined in claim 1.

 54. A method for treating AIDS, which comprises administering to a subject in
15 need thereof a therapeutically effective amount of a compound of Formula (I) as defined in claim 1.

 55. A method for treating autoimmune disease, which comprises administering to a subject in need thereof a therapeutically effective amount of a compound of Formula (I) as defined in claim 1.

20 56. A method for treating glucose intolerance, which comprises administering to a subject in need thereof a therapeutically effective amount of a compound of Formula (I) as defined in claim 1.

 57. A method for treating cancer, which comprises administering to a subject in need thereof a therapeutically effective amount of a compound of Formula (I) as
25 defined in claim 1.

 58. A method for treating psoriasis, which comprises administering to a subject in need thereof a therapeutically effective amount of a compound of Formula (I) as defined in claim 1.

59. A method for treating allergic diseases, which comprises administering to a subject in need thereof a therapeutically effective amount of a compound of Formula (I) as defined in claim 1.

5 60. A method for treating infectious disease, which comprises administering to a subject in need thereof a therapeutically effective amount of a compound of Formula (I) as defined in claim 1.

61. A method for treating diseases involving the modulated synthesis of growth hormone, which comprises administering to a subject in need thereof a therapeutically effective amount of a compound of Formula (I) as defined in claim 1.

10 62. A method for treating modulated synthesis of growth factors or cytokines which affect the production of growth hormone, which comprises administering to a subject in need thereof a therapeutically effective amount of a compound of Formula (I) as defined in claim 1.

15 63. A method for treating Alzheimer's disease, which comprises administering to a subject in need thereof a therapeutically effective amount of a compound of Formula (I) as defined in claim 1.